ܡܢܘܓܐ ܕܡܘܠܝܐ

$$\int ܗ\ ܕܡ = ܗܡ - \int ܡ\ ܕܗ$$

$$\int ܗ^{ܢ}\ ܕܗ = \frac{ܗ^{ܢ+1}}{ܢ+1} + ܟ \qquad ܢ \neq -1$$

$$\int \frac{ܕܗ}{ܗ} = \ln|ܗ| + ܟ$$

$$\int e^{ܗ}\ ܕܗ = e^{ܗ} + ܟ$$

$$\int ܐ^{ܗ}\ ܕܗ = \frac{ܐ^{ܗ}}{\ln(ܐ)} + ܟ$$

$$\int \sin(ܗ)\ ܕܗ = -\cos(ܗ) + ܟ$$

$$\int \cos(ܗ)\ ܕܗ = \sin(ܗ) + ܟ$$

$$\int \sec^2(ܗ)\ ܕܗ = \tan(ܗ) + ܟ$$

$$\int \csc^2(ܗ)\ ܕܗ = -\cot(ܗ) + ܟ$$

$$\int \sec(ܗ)\tan(ܗ)\ ܕܗ = \sec(ܗ) + ܟ$$

$$\int \csc(ܗ)\cot(ܗ)\ ܕܗ = -\csc(ܗ) + ܟ$$

$$\int \tan(ܗ)\ ܕܗ = \ln(|\sec(ܗ)|) + ܟ$$

$$\int \cot(ܗ)\ ܕܗ = \ln(|\sin(ܗ)|) + ܟ$$

ܡܬܢܒܓܐ ܕܡܘܟܠܐ

$$\int \sec(\text{ܣ})\ \text{ܕܣ} = \ln\left(\left|\sec(\text{ܣ}) + \tan(\text{ܣ})\right|\right) + \text{ܟ}$$

$$\int \csc(\text{ܣ})\ \text{ܕܣ} = \ln\left(\left|\csc(\text{ܣ}) - \cot(\text{ܣ})\right|\right) + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\sqrt{\text{ܐ}^2 - \text{ܣ}^2}} = \sin^{-1}\left(\frac{\text{ܣ}}{\text{ܐ}}\right) + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܐ}^2 - \text{ܣ}^2} = \frac{1}{\text{ܐ}}\tan^{-1}\left(\frac{\text{ܣ}}{\text{ܐ}}\right) + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܣ}\sqrt{\text{ܣ}^2 - \text{ܐ}^2}} = \frac{1}{\text{ܐ}}\sec^{-1}\left(\frac{\text{ܣ}}{\text{ܐ}}\right) + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܐ}^2 - \text{ܣ}^2} = \frac{1}{\text{ܐ}}\ln\left(\left|\frac{\text{ܣ} + \text{ܐ}}{\text{ܣ} - \text{ܐ}}\right|\right) + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܣ}^2 - \text{ܐ}^2} = \frac{1}{2\text{ܐ}}\ln\left(\left|\frac{\text{ܣ} - \text{ܐ}}{\text{ܣ} + \text{ܐ}}\right|\right) + \text{ܟ}$$

$$\int \sqrt{\text{ܐ}^2 + \text{ܣ}^2}\ \text{ܕܣ} = \frac{\text{ܣ}}{2}\sqrt{\text{ܐ}^2 + \text{ܣ}^2} + \frac{\text{ܐ}^2}{2}\ln\left(\text{ܣ} + \sqrt{\text{ܐ}^2 + \text{ܣ}^2}\right) + \text{ܟ}$$

$$\int \text{ܣ}^2\sqrt{\text{ܐ}^2 + \text{ܣ}^2}\ \text{ܕܣ} = \frac{\text{ܣ}}{8}(\text{ܐ}^2 + 2\text{ܣ}^2)\sqrt{\text{ܐ}^2 + \text{ܣ}^2} - \frac{\text{ܐ}^4}{8}\ln\left(\text{ܣ} + \sqrt{\text{ܐ}^2 + \text{ܣ}^2}\right) + \text{ܟ}$$

$$\int \frac{\sqrt{\text{ܐ}^2 + \text{ܣ}^2}}{\text{ܣ}}\ \text{ܕܣ} = \sqrt{\text{ܐ}^2 + \text{ܣ}^2} - \text{ܐ}\ln\left(\left|\frac{\text{ܐ} + \sqrt{\text{ܐ}^2 + \text{ܣ}^2}}{\text{ܣ}}\right|\right) + \text{ܟ}$$

ܡܬܒܘܓܐ ܕܡܘܟܠܬܐ

$$\int \frac{\sqrt{\text{ܐ}^2+\text{ܣ}^2}}{\text{ܣ}^2}\,\text{ܕܣ} = -\frac{\sqrt{\text{ܐ}^2+\text{ܣ}^2}}{\text{ܣ}} + \ln\left(\text{ܣ}+\sqrt{\text{ܐ}^2+\text{ܣ}^2}\right) + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\sqrt{\text{ܐ}^2+\text{ܣ}^2}} = \ln\left(\text{ܣ}+\sqrt{\text{ܐ}^2+\text{ܣ}^2}\right) + \text{ܟ}$$

$$\int \frac{\text{ܣ}^2\,\text{ܕܣ}}{\sqrt{\text{ܐ}^2+\text{ܣ}^2}} = \frac{\text{ܣ}}{2}\sqrt{\text{ܐ}^2+\text{ܣ}^2} - \frac{\text{ܐ}^2}{2}\ln\left(\text{ܣ}+\sqrt{\text{ܐ}^2+\text{ܣ}^2}\right) + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܣ}\sqrt{\text{ܐ}^2+\text{ܣ}^2}} = -\frac{1}{\text{ܐ}}\ln\left(\left|\frac{\sqrt{\text{ܐ}^2+\text{ܣ}^2}+\text{ܐ}}{\text{ܣ}}\right|\right) + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܣ}^2\sqrt{\text{ܐ}^2+\text{ܣ}^2}} = -\frac{\sqrt{\text{ܐ}^2+\text{ܣ}^2}}{\text{ܐ}^2\,\text{ܣ}} + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{(\text{ܐ}^2+\text{ܣ}^2)^{\frac{3}{2}}} = -\frac{\text{ܣ}}{\text{ܐ}^2\sqrt{\text{ܐ}^2+\text{ܣ}^2}} + \text{ܟ}$$

$$\int \sqrt{\text{ܐ}^2-\text{ܣ}^2}\,\text{ܕܣ} = \frac{\text{ܣ}}{2}\sqrt{\text{ܐ}^2-\text{ܣ}^2} + \frac{\text{ܐ}^2}{2}\sin^{-1}\left(\frac{\text{ܣ}}{\text{ܐ}}\right) + \text{ܟ}$$

$$\int \text{ܣ}^2\sqrt{\text{ܐ}^2-\text{ܣ}^2}\,\text{ܕܣ} = \frac{\text{ܣ}}{8}(2\text{ܣ}^2-\text{ܐ}^2)\sqrt{\text{ܐ}^2-\text{ܣ}^2} + \frac{\text{ܐ}^4}{8}\sin^{-1}\left(\frac{\text{ܣ}}{\text{ܐ}}\right) + \text{ܟ}$$

ܡܬܢܒܚܐ ܕܡܣܒܠܬܐ

$$\int \frac{\sqrt{\text{ܐ}^2 - \text{ܣ}^2}}{\text{ܣ}}\,\text{ܕܣ} = \sqrt{\text{ܐ}^2 - \text{ܣ}^2} - \text{ܐ}\ln\left|\frac{\text{ܐ} + \sqrt{\text{ܐ}^2 - \text{ܣ}^2}}{\text{ܣ}}\right| + \text{ܟ}$$

$$\int \frac{\sqrt{\text{ܐ}^2 - \text{ܣ}^2}}{\text{ܣ}^2}\,\text{ܕܣ} = -\frac{1}{2}\sqrt{\text{ܐ}^2 - \text{ܣ}^2} - \sin^{-1}\left(\frac{\text{ܣ}}{\text{ܐ}}\right) + \text{ܟ}$$

$$\int \frac{\text{ܣ}^2\,\text{ܕܣ}}{\sqrt{\text{ܐ}^2 - \text{ܣ}^2}}\,\text{ܕܣ} = -\frac{\text{ܣ}}{2}\sqrt{\text{ܐ}^2 - \text{ܣ}^2} + \frac{\text{ܐ}^2}{2}\sin^{-1}\left(\frac{\text{ܣ}}{\text{ܐ}}\right) + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܣ}\sqrt{\text{ܐ}^2 - \text{ܣ}^2}}\,\text{ܕܣ} = -\frac{1}{\text{ܐ}}\ln\left|\frac{\text{ܐ} + \sqrt{\text{ܐ}^2 - \text{ܣ}^2}}{\text{ܣ}}\right| + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܣ}^2\sqrt{\text{ܐ}^2 - \text{ܣ}^2}}\,\text{ܕܣ} = -\frac{1}{\text{ܐ}^2\text{ܣ}}\sqrt{\text{ܐ}^2 - \text{ܣ}^2} + \text{ܟ}$$

$$\int (\text{ܐ}^2 - \text{ܣ}^2)^{\frac{3}{2}}\,\text{ܕܣ} = -\frac{\text{ܣ}}{8}(2\text{ܣ}^2 - 5\text{ܐ}^2)\sqrt{\text{ܐ}^2 - \text{ܣ}^2} + \frac{3\text{ܐ}^4}{8}\sin^{-1}\left(\frac{\text{ܣ}}{\text{ܐ}}\right) + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{(\text{ܐ}^2 - \text{ܣ}^2)^{\frac{3}{2}}} = \frac{\text{ܣ}}{\text{ܐ}^2\sqrt{\text{ܐ}^2 - \text{ܣ}^2}} + \text{ܟ}$$

$$\int \sqrt{\text{ܣ}^2 - \text{ܐ}^2}\,\text{ܕܣ} = \frac{\text{ܣ}}{2}\sqrt{\text{ܣ}^2 - \text{ܐ}^2} - \frac{\text{ܐ}^2}{2}\ln\left|\text{ܣ} + \sqrt{\text{ܣ}^2 - \text{ܐ}^2}\right| + \text{ܟ}$$

ܡܬܚܘ̈ܡܐ ܕܡܘܟܠܬܐ

$$\int \text{ܣ}^2\sqrt{\text{ܣ}^2-\text{ܐ}^2}\,\text{ܕܣ}=\frac{\text{ܣ}}{8}\left(2\text{ܣ}^2-\text{ܐ}^2\right)\sqrt{\text{ܣ}^2-\text{ܐ}^2}-\frac{\text{ܐ}^4}{8}\ln\left|\text{ܣ}+\sqrt{\text{ܣ}^2-\text{ܐ}^2}\right|+\text{ܟ}$$

$$\int \frac{\sqrt{\text{ܣ}^2-\text{ܐ}^2}}{\text{ܣ}}\,\text{ܕܣ}=\sqrt{\text{ܣ}^2-\text{ܐ}^2}-\text{ܐ}\cos^{-1}\left(\frac{\text{ܐ}}{|\text{ܣ}|}\right)+\text{ܟ}$$

$$\int \frac{\sqrt{\text{ܣ}^2-\text{ܐ}^2}}{\text{ܣ}^2}\,\text{ܕܣ}=-\frac{\sqrt{\text{ܣ}^2-\text{ܐ}^2}}{\text{ܣ}}+\ln\left|\text{ܣ}+\sqrt{\text{ܣ}^2-\text{ܐ}^2}\right|+\text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\sqrt{\text{ܣ}^2-\text{ܐ}^2}}=\ln\left|\text{ܣ}+\sqrt{\text{ܣ}^2-\text{ܐ}^2}\right|+\text{ܟ}$$

$$\int \frac{\text{ܣ}^2\,\text{ܕܣ}}{\sqrt{\text{ܣ}^2-\text{ܐ}^2}}=\frac{\text{ܣ}}{2}\sqrt{\text{ܣ}^2-\text{ܐ}^2}+\frac{\text{ܐ}^2}{2}\ln\left|\text{ܣ}+\sqrt{\text{ܣ}^2-\text{ܐ}^2}\right|+\text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܣ}^2\sqrt{\text{ܣ}^2-\text{ܐ}^2}}=\frac{\sqrt{\text{ܣ}^2-\text{ܐ}^2}}{\text{ܐ}^2\,\text{ܣ}}+\text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\left(\text{ܣ}^2-\text{ܐ}^2\right)^{\frac{3}{2}}}=\frac{\text{ܣ}}{\text{ܐ}^2\sqrt{\text{ܣ}^2-\text{ܐ}^2}}+\text{ܟ}$$

$$\int \frac{\text{ܣ}\,\text{ܕܣ}}{\text{ܐ}+\text{ܒܣ}}=\frac{1}{\text{ܒ}^2}\left[\text{ܐ}+\text{ܒܣ}-\text{ܐ}\ln|\text{ܐ}+\text{ܒܣ}|\right]+\text{ܟ}$$

ܡܬܢܘܓܐ ܕܡܘܠܬܐ

$$\int \frac{\text{ܣ}^{2}\ \text{ܕܣ}}{\text{ܐ} + \text{ܒܣ}} = \frac{1}{2\text{ܒ}^{3}}\left[(\text{ܐ} + \text{ܒܣ})^{2} - 4\text{ܐ}(\text{ܐ} + \text{ܒܣ}) + 2\text{ܐ}^{2}\ln|\text{ܐ} + \text{ܒܣ}|\right] + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܣ}(\text{ܐ} + \text{ܒܣ})} = \frac{1}{\text{ܐ}}\ln\left|\frac{\text{ܣ}}{\text{ܐ} + \text{ܒܣ}}\right| + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܣ}^{2}(\text{ܐ} + \text{ܒܣ})} = -\frac{1}{\text{ܐܣ}} + \frac{\text{ܒ}}{\text{ܐ}^{2}}\ln\left|\frac{\text{ܐ} + \text{ܒܣ}}{\text{ܣ}}\right| + \text{ܟ}$$

$$\int \frac{\text{ܣ}\ \text{ܕܣ}}{(\text{ܐ} + \text{ܒܣ})^{2}} = \frac{1}{\text{ܒ}^{2}(\text{ܐ} + \text{ܒܣ})} + \frac{1}{\text{ܒ}^{2}}\ln|\text{ܐ} + \text{ܒܣ}| + \text{ܟ}$$

$$\int \frac{\text{ܕܣ}}{\text{ܣ}(\text{ܐ} + \text{ܒܣ})^{2}} = \frac{1}{\text{ܐ}(\text{ܐ} + \text{ܒܣ})} - \frac{1}{\text{ܐ}^{2}}\ln\left|\frac{\text{ܐ} + \text{ܒܣ}}{\text{ܣ}}\right| + \text{ܟ}$$

$$\int \frac{\text{ܣ}^{2}\ \text{ܕܣ}}{(\text{ܐ} + \text{ܒܣ})^{2}} = \frac{1}{\text{ܒ}^{3}}\left(\text{ܐ} + \text{ܒܣ} - \frac{\text{ܐ}^{2}}{\text{ܐ} + \text{ܒܣ}} - 2\text{ܐ}\ln|\text{ܐ} + \text{ܒܣ}|\right) + \text{ܟ}$$

$$\int \text{ܣ}\sqrt{\text{ܐ} + \text{ܒܣ}}\ \text{ܕܣ} = \frac{2}{15\text{ܒ}^{2}}(3\text{ܒܣ} - 2\text{ܐ})(\text{ܐ} + \text{ܒܣ})^{\frac{3}{2}} + \text{ܟ}$$

$$\int \frac{\text{ܣ}\ \text{ܕܣ}}{\sqrt{\text{ܐ} + \text{ܒܣ}}} = \frac{2}{3\text{ܒ}^{2}}(\text{ܒܣ} - 2\text{ܐ})\sqrt{\text{ܐ} + \text{ܒܣ}} + \text{ܟ}$$

$$\int \frac{\text{ܣ}^{2}\ \text{ܕܣ}}{\sqrt{\text{ܐ} + \text{ܒܣ}}} = \frac{2}{15\text{ܒ}^{3}}(8\text{ܐ}^{2} + 3\text{ܒ}^{2}\text{ܣ}^{2} - \text{ܐܒܣ})\sqrt{\text{ܐ} + \text{ܒܣ}} + \text{ܟ}$$

ܡܫܘܚܬܐ ܕܡܘܟܠܐ

$$\int \frac{\text{ܕܗ}}{\text{ܗ}\sqrt{\text{ܒܗ}+\text{ܐ}}} = \frac{1}{\sqrt{\text{ܐ}}}\ln\left|\frac{\sqrt{\text{ܒܗ}+\text{ܐ}}-\sqrt{\text{ܐ}}}{\sqrt{\text{ܒܗ}+\text{ܐ}}+\sqrt{\text{ܐ}}}\right| + \text{ܟ} \qquad \text{ܐ} > 0$$

$$\int \frac{\text{ܕܗ}}{\text{ܗ}\sqrt{\text{ܒܗ}+\text{ܐ}}} = \frac{2}{\sqrt{-\text{ܐ}}}\tan^{-1}\left(\sqrt{\frac{\text{ܒܗ}+\text{ܐ}}{-\text{ܐ}}}\right) + \text{ܟ} \qquad \text{ܐ} < 0$$

$$\int \frac{\sqrt{\text{ܒܗ}+\text{ܐ}}}{\text{ܗ}}\,\text{ܕܗ} = 2\sqrt{\text{ܒܗ}+\text{ܐ}} + \text{ܐ}\int \frac{\text{ܕܗ}}{\text{ܗ}\sqrt{\text{ܒܗ}+\text{ܐ}}}$$

$$\int \frac{\sqrt{\text{ܒܗ}+\text{ܐ}}}{\text{ܗ}^2}\,\text{ܕܗ} = -\frac{\sqrt{\text{ܒܗ}+\text{ܐ}}}{\text{ܗ}} + \frac{\text{ܒ}}{2}\int \frac{\text{ܕܗ}}{\text{ܗ}\sqrt{\text{ܒܗ}+\text{ܐ}}}$$

$$\int \text{ܗ}^{\text{ܢ}}\sqrt{\text{ܒܗ}+\text{ܐ}}\,\text{ܕܗ} = \frac{2}{\text{ܒ}(2\text{ܢ}+3)}\left[\text{ܗ}^{\text{ܢ}}(\text{ܒܗ}+\text{ܐ})^{\frac{3}{2}} - \text{ܢܐ}\int \text{ܗ}^{\text{ܢ}-1}\sqrt{\text{ܒܗ}+\text{ܐ}}\,\text{ܕܗ}\right]$$

$$\int \frac{\text{ܗ}^{\text{ܢ}}\,\text{ܕܗ}}{\sqrt{\text{ܒܗ}+\text{ܐ}}} = \frac{2\text{ܗ}^{\text{ܢ}}\sqrt{\text{ܒܗ}+\text{ܐ}}}{\text{ܒ}(2\text{ܢ}+1)} - \frac{2\text{ܢܐ}}{\text{ܒ}(2\text{ܢ}+1)}\int \frac{\text{ܗ}^{\text{ܢ}-1}\,\text{ܕܗ}}{\sqrt{\text{ܒܗ}+\text{ܐ}}}$$

$$\int \frac{\text{ܕܗ}}{\text{ܗ}^{\text{ܢ}}\sqrt{\text{ܒܗ}+\text{ܐ}}} = -\frac{\sqrt{\text{ܒܗ}+\text{ܐ}}}{\text{ܐ}(\text{ܢ}-1)\text{ܗ}^{\text{ܢ}-1}} - \frac{\text{ܒ}(2\text{ܢ}-3)}{2\text{ܐ}(\text{ܢ}-1)}\int \frac{\text{ܕܗ}}{\text{ܗ}^{\text{ܢ}-1}\sqrt{\text{ܒܗ}+\text{ܐ}}}$$

$$\int \sin^2(\text{ܗ})\,\text{ܕܗ} = \frac{1}{2}\text{ܗ} - \frac{1}{4}\sin(2\text{ܗ}) + \text{ܟ}$$

ܡܬܢܒ̈ܘܬܐ ܕܡܘܟܬܐ

$$\int \cos^2(\text{ܗ})\ \text{ܕܗ} = \frac{1}{2}\text{ܗ} + \frac{1}{4}\sin(2\text{ܗ}) + \text{ܟ}$$

$$\int \tan^2(\text{ܗ})\ \text{ܕܗ} = \tan(\text{ܗ}) - \text{ܗ} + \text{ܟ}$$

$$\int \cot^2(\text{ܗ})\ \text{ܕܗ} = -\cot(\text{ܗ}) - \text{ܗ} + \text{ܟ}$$

$$\int \sin^3(\text{ܗ})\ \text{ܕܗ} = -\frac{1}{3}\left(2 + \sin^2(\text{ܗ})\right)\cos(\text{ܗ}) + \text{ܟ}$$

$$\int \cos^3(\text{ܗ})\ \text{ܕܗ} = \frac{1}{3}\left(2 + \cos^2(\text{ܗ})\right)\sin(\text{ܗ}) + \text{ܟ}$$

$$\int \tan^3(\text{ܗ})\ \text{ܕܗ} = \frac{1}{2}\tan^2(\text{ܗ}) + \ln|\cos(\text{ܗ})| + \text{ܟ}$$

$$\int \cot^3(\text{ܗ})\ \text{ܕܗ} = -\frac{1}{2}\cot^2(\text{ܗ}) - \ln|\sin(\text{ܗ})| + \text{ܟ}$$

$$\int \sec^3(\text{ܗ})\ \text{ܕܗ} = \frac{1}{2}\sec(\text{ܗ})\tan(\text{ܗ}) + \frac{1}{2}\ln|\sec(\text{ܗ}) + \tan(\text{ܗ})| + \text{ܟ}$$

$$\int \csc^3(\text{ܗ})\ \text{ܕܗ} = -\frac{1}{2}\csc(\text{ܗ})\cot(\text{ܗ}) + \frac{1}{2}\ln|\csc(\text{ܗ}) - \cot(\text{ܗ})| + \text{ܟ}$$

$$\int \sin^{\text{ܢ}}(\text{ܗ})\ \text{ܕܗ} = -\frac{1}{\text{ܢ}}\sin^{\text{ܢ}-1}(\text{ܗ})\cos(\text{ܗ}) + \frac{\text{ܢ} - 1}{\text{ܢ}}\int \sin^{\text{ܢ}-2}(\text{ܗ})\ \text{ܕܗ}$$

$$\int \cos^{\text{ܢ}}(\text{ܗ})\ \text{ܕܗ} = \frac{1}{\text{ܢ}}\cos^{\text{ܢ}-1}(\text{ܗ})\sin(\text{ܗ}) + \frac{\text{ܢ} - 1}{\text{ܢ}}\int \cos^{\text{ܢ}-2}(\text{ܗ})\ \text{ܕܗ}$$

$$\int \tan^{\text{ܢ}}(\text{ܗ})\ \text{ܕܗ} = \frac{1}{\text{ܢ} - 1}\tan^{\text{ܢ}-1}(\text{ܗ}) - \int \tan^{\text{ܢ}-2}(\text{ܗ})\ \text{ܕܗ}$$

$$\int \cot^{\text{ܢ}}(\text{ܗ})\ \text{ܕܗ} = \frac{-1}{\text{ܢ} - 1}\cot^{\text{ܢ}-1}(\text{ܗ}) - \int \cot^{\text{ܢ}-2}(\text{ܗ})\ \text{ܕܗ}$$

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$$\int \sec^{\text{ܢ}}(\text{ܗ})\,\text{ܕܗ} = \frac{1}{\text{ܢ}-1}\tan(\text{ܗ})\sec^{\text{ܢ}-2}(\text{ܗ}) + \frac{\text{ܢ}-2}{\text{ܢ}-1}\int \sec^{\text{ܢ}-2}(\text{ܗ})\,\text{ܕܗ}$$

$$\int \csc^{\text{ܢ}}(\text{ܗ})\,\text{ܕܗ} = \frac{-1}{\text{ܢ}-1}\cot(\text{ܗ})\csc^{\text{ܢ}-2}(\text{ܗ}) + \frac{\text{ܢ}-2}{\text{ܢ}-1}\int \csc^{\text{ܢ}-2}(\text{ܗ})\,\text{ܕܗ}$$

$$\int \sin(\text{ܐܗ})\sin(\text{ܒܗ})\,\text{ܕܗ} = \frac{\sin([\text{ܐ}-\text{ܒ}]\text{ܗ})}{2(\text{ܐ}-\text{ܒ})} - \frac{\sin([\text{ܐ}+\text{ܒ}]\text{ܗ})}{2(\text{ܐ}+\text{ܒ})} + \text{ܟ}$$

$$\int \cos(\text{ܐܗ})\cos(\text{ܒܗ})\,\text{ܕܗ} = \frac{\sin([\text{ܐ}-\text{ܒ}]\text{ܗ})}{2(\text{ܐ}-\text{ܒ})} + \frac{\sin([\text{ܐ}+\text{ܒ}]\text{ܗ})}{2(\text{ܐ}+\text{ܒ})} + \text{ܟ}$$

$$\int \sin(\text{ܐܗ})\cos(\text{ܒܗ})\,\text{ܕܗ} = -\frac{\cos([\text{ܐ}-\text{ܒ}]\text{ܗ})}{2(\text{ܐ}-\text{ܒ})} - \frac{\cos([\text{ܐ}+\text{ܒ}]\text{ܗ})}{2(\text{ܐ}+\text{ܒ})} + \text{ܟ}$$

$$\int \text{ܗ}\sin(\text{ܗ})\,\text{ܕܗ} = \sin(\text{ܗ}) - \text{ܗ}\cos(\text{ܗ}) + \text{ܟ}$$

$$\int \text{ܗ}\cos(\text{ܗ})\,\text{ܕܗ} = \cos(\text{ܗ}) + \text{ܗ}\sin(\text{ܗ}) + \text{ܟ}$$

$$\int \text{ܗ}^{\text{ܢ}}\sin(\text{ܗ})\,\text{ܕܗ} = -\text{ܗ}^{\text{ܢ}}\cos(\text{ܗ}) + \text{ܢ}\int \text{ܗ}^{\text{ܢ}-1}\cos(\text{ܗ})\,\text{ܕܗ}$$

$$\int \text{ܗ}^{\text{ܢ}}\cos(\text{ܗ})\,\text{ܕܗ} = \text{ܗ}^{\text{ܢ}}\sin(\text{ܗ}) - \text{ܢ}\int \text{ܗ}^{\text{ܢ}-1}\sin(\text{ܗ})\,\text{ܕܗ}$$

$$\int \sin^{\text{ܢ}}(\text{ܗ})\cos^{\text{ܡ}}(\text{ܗ})\,\text{ܕܗ} = -\frac{\sin^{\text{ܢ}-1}(\text{ܗ})\cos^{\text{ܡ}+1}(\text{ܗ})}{\text{ܢ}+\text{ܡ}} + \frac{\text{ܢ}-1}{\text{ܢ}+\text{ܡ}}\int \sin^{\text{ܢ}-2}(\text{ܗ})\cos^{\text{ܡ}}(\text{ܗ})\,\text{ܕܗ}$$

$$\int \sin^{\text{ܢ}}(\text{ܗ})\cos^{\text{ܡ}}(\text{ܗ})\,\text{ܕܗ} = \frac{\sin^{\text{ܢ}+1}(\text{ܗ})\cos^{\text{ܡ}-1}(\text{ܗ})}{\text{ܢ}+\text{ܡ}} + \frac{\text{ܡ}-1}{\text{ܢ}+\text{ܡ}}\int \sin^{\text{ܢ}}(\text{ܗ})\cos^{\text{ܡ}-2}(\text{ܗ})\,\text{ܕܗ}$$

$$\int \sin^{-1}(\text{ܗ})\,\text{ܕܗ} = \text{ܗ}\sin^{-1}(\text{ܗ}) + \sqrt{1-\text{ܗ}^2} + \text{ܟ}$$

ܡܬܘܓ̈ܐ ܕܡܘܟܠܐ

$$\int \cos^{-1}(\text{ܣ})\ \text{ܕܣ} = \text{ܣ}\cos^{-1}(\text{ܣ}) - \sqrt{1-\text{ܣ}^2} + \text{ܟ}$$

$$\int \tan^{-1}(\text{ܣ})\ \text{ܕܣ} = \text{ܣ}\tan^{-1}(\text{ܣ}) - \frac{1}{2}\ln(1+\text{ܣ}^2) + \text{ܟ}$$

$$\int \text{ܣ}\sin^{-1}(\text{ܣ})\ \text{ܕܣ} = \frac{2\text{ܣ}^2-1}{4}\sin^{-1}(\text{ܣ}) + \frac{\text{ܣ}\sqrt{1-\text{ܣ}^2}}{4} + \text{ܟ}$$

$$\int \text{ܣ}\cos^{-1}(\text{ܣ})\ \text{ܕܣ} = \frac{2\text{ܣ}^2-1}{4}\cos^{-1}(\text{ܣ}) - \frac{\text{ܣ}\sqrt{1-\text{ܣ}^2}}{4} + \text{ܟ}$$

$$\int \text{ܣ}\tan^{-1}(\text{ܣ})\ \text{ܕܣ} = \frac{\text{ܣ}^2+1}{2}\tan^{-1}(\text{ܣ}) - \frac{\text{ܣ}}{2} + \text{ܟ}$$

$$\int \text{ܣ}^{\text{ܢ}}\sin^{-1}(\text{ܣ})\ \text{ܕܣ} = \frac{1}{\text{ܢ}+1}\left[\text{ܣ}^{\text{ܢ}+1}\sin^{-1}(\text{ܣ}) - \int \frac{\text{ܣ}^{\text{ܢ}+1}\ \text{ܕܣ}}{\sqrt{1-\text{ܣ}^2}}\right] \quad \text{ܢ} \neq -1$$

$$\int \text{ܣ}^{\text{ܢ}}\cos^{-1}(\text{ܣ})\ \text{ܕܣ} = \frac{1}{\text{ܢ}+1}\left[\text{ܣ}^{\text{ܢ}+1}\cos^{-1}(\text{ܣ}) + \int \frac{\text{ܣ}^{\text{ܢ}+1}\ \text{ܕܣ}}{\sqrt{1-\text{ܣ}^2}}\right] \quad \text{ܢ} \neq -1$$

$$\int \text{ܣ}^{\text{ܢ}}\tan^{-1}(\text{ܣ})\ \text{ܕܣ} = \frac{1}{\text{ܢ}+1}\left[\text{ܣ}^{\text{ܢ}+1}\tan^{-1}(\text{ܣ}) - \int \frac{\text{ܣ}^{\text{ܢ}+1}\ \text{ܕܣ}}{1+\text{ܣ}^2}\right] \quad \text{ܢ} \neq -1$$

$$\int \text{ܣ}e^{\text{ܐܣ}}\ \text{ܕܣ} = \frac{1}{\text{ܐ}^2}(\text{ܐܣ}-1)e^{\text{ܐܣ}} + \text{ܟ}$$

$$\int \text{ܣ}^{\text{ܢ}}e^{\text{ܐܣ}}\ \text{ܕܣ} = \frac{1}{\text{ܐ}}\text{ܣ}^{\text{ܢ}}e^{\text{ܐܣ}} - \frac{\text{ܢ}}{\text{ܐ}}\int \text{ܣ}^{\text{ܢ}-1}e^{\text{ܐܣ}}\ \text{ܕܣ}$$

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$$\int e^{\text{ܐܗ}}\sin(\text{ܒܗ})\ \text{ܕܗ} = \frac{e^{\text{ܐܗ}}}{\text{ܐ}^2+\text{ܒ}^2}\left(\text{ܐ}\sin(\text{ܒܗ}) - \text{ܒ}\cos(\text{ܒܗ})\right) + \text{ܟ}$$

$$\int e^{\text{ܐܗ}}\cos(\text{ܒܗ})\ \text{ܕܗ} = \frac{e^{\text{ܐܗ}}}{\text{ܐ}^2+\text{ܒ}^2}\left(\text{ܐ}\cos(\text{ܒܗ}) + \text{ܒ}\sin(\text{ܒܗ})\right) + \text{ܟ}$$

$$\int \ln(\text{ܗ})\ \text{ܕܗ} = \text{ܗ}\ln(\text{ܗ}) - \text{ܗ} + \text{ܟ}$$

$$\int \text{ܗ}^{\text{ܢ}}\ln(\text{ܗ})\ \text{ܕܗ} = \frac{\text{ܗ}^{\text{ܢ}+1}}{(\text{ܢ}+1)^2}\left[(\text{ܢ}+1)\ln(\text{ܗ}) - 1\right] + \text{ܟ}$$

$$\int \frac{1}{\text{ܗ}\ln(\text{ܗ})}\ \text{ܕܗ} = \ln\left|\ln(\text{ܗ})\right| + \text{ܟ}$$

$$\int \sinh(\text{ܗ})\ \text{ܕܗ} = \cosh(\text{ܗ}) + \text{ܟ}$$

$$\int \cosh(\text{ܗ})\ \text{ܕܗ} = \sinh(\text{ܗ}) + \text{ܟ}$$

$$\int \tanh(\text{ܗ})\ \text{ܕܗ} = \ln(\cosh(\text{ܗ})) + \text{ܟ}$$

$$\int \coth(\text{ܗ})\ \text{ܕܗ} = \ln\left|\sinh(\text{ܗ})\right| + \text{ܟ}$$

$$\int \operatorname{sech}(\text{ܗ})\ \text{ܕܗ} = \tan^{-1}\left(\left|\sinh(\text{ܗ})\right|\right) + \text{ܟ}$$

$$\int \operatorname{csch}(\text{ܗ})\ \text{ܕܗ} = \ln\left|\tanh\left(\frac{\text{ܗ}}{2}\right)\right| + \text{ܟ}$$

$$\int \operatorname{sech}^2(\text{ܗ})\ \text{ܕܗ} = \tanh(\text{ܗ}) + \text{ܟ}$$

$$\int \operatorname{csch}^2(\text{ܗ})\ \text{ܕܗ} = -\coth(\text{ܗ}) + \text{ܟ}$$

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$$\int \operatorname{sech}(ܣ)\tanh(ܣ)\ ܕܣ = -\operatorname{sech}(ܣ) + ܟ$$

$$\int \operatorname{csch}(ܣ)\coth(ܣ)\ ܕܣ = -\operatorname{csch}(ܣ) + ܟ$$

$$\int \sqrt{2ܐܣ - ܣ^2}\ ܕܣ = \frac{ܣ - ܐ}{2}\sqrt{2ܐܣ - ܣ^2} + \frac{ܐ^2}{2}\cos^{-1}\left(\frac{ܐ - ܣ}{ܐ}\right) + ܟ$$

$$\int ܣ\sqrt{2ܐܣ - ܣ^2}\ ܕܣ = \frac{2ܣ^2 - ܐܣ - 3ܐ^2}{6}\sqrt{2ܐܣ - ܣ^2} + \frac{ܐ^3}{2}cos^{-1}\left(\frac{ܐ - ܣ}{ܐ}\right) + ܟ$$

$$\int \frac{\sqrt{2ܐܣ - ܣ^2}}{ܣ}\ ܕܣ = \sqrt{2ܐܣ - ܣ^2} + ܐ\cos^{-1}\left(\frac{ܐ - ܣ}{ܐ}\right) + ܟ$$

$$\int \frac{\sqrt{2ܐܣ - ܣ^2}}{ܣ^2}\ ܕܣ = -\frac{2\sqrt{2ܐܣ - ܣ^2}}{ܣ} - \cos^{-1}\left(\frac{ܐ - ܣ}{ܐ}\right) + ܟ$$

$$\int \frac{ܕܣ}{\sqrt{2ܐܣ - ܣ^2}} = \cos^{-1}\left(\frac{ܐ - ܣ}{ܐ}\right) + ܟ$$

$$\int \frac{ܣ\ ܕܣ}{\sqrt{2ܐܣ - ܣ^2}} = -\sqrt{2ܐܣ - ܣ^2} + ܐ\cos^{-1}\left(\frac{ܐ - ܣ}{ܐ}\right) + ܟ$$

$$\int \frac{ܣ^2\ ܕܣ}{\sqrt{2ܐܣ - ܣ^2}} = -\frac{(ܣ + 3ܐ)}{2}\sqrt{2ܐܣ - ܣ^2} + \frac{3ܐ^2}{2}\cos^{-1}\left(\frac{ܐ - ܣ}{ܐ}\right) + ܟ$$

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$$\int \frac{\text{ܕܦ}}{\text{ܦ}\sqrt{2\text{ܦܐ} - \text{ܦ}^{2}}} = -\frac{\sqrt{2\text{ܦܐ} - \text{ܦ}^{2}}}{\text{ܦܐ}} + \text{ܟ}$$